

EXPRESS MAIL NO.: EL984584060US

Deposited On: January 30, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : Not Yet Assigned Confirmation No.: N/A
Applicant(s) : Lijun Xia and Rodger P. McEver
Filed : Herewith
TC/A.U. : Unknown
Examiner : Unknown
Title : HEMATOPOIETIC STEM CELLS TREATED BY IN
VITRO FUCOSYLATION AND METHODS OF USE

Docket No. : 5920.002

Customer No. : 30589

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

**List of Sections Forming Part of This
Information Disclosure Statement**

The following sections are being submitted for this Information Disclosure Statement:

1. ☒ Preliminary Statements
2. ☒ Form PTO-1449 (Modified)
3. ☒ Copies of Listed Information Items Accompanying this Statement
4. ☒ Identification of Person(s) Making this Information Disclosure Statement

Section 1. Preliminary Statements

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Section 2. Form PTO-1449 (Modified)

☒ [X] A Completed Form PTO-1449 (Modified) is attached hereto.

Section 3. Copies of Listed Information Items Accompanying this Statement

☒ [X] Legible copies of all items listed in Form PTO-1449 (Modified) accompany this information disclosure statement.

☐ [] Exception(s) to above:

☐ [] Items in prior application from which an earlier filing date is claimed for this application, as identified in Section 4.

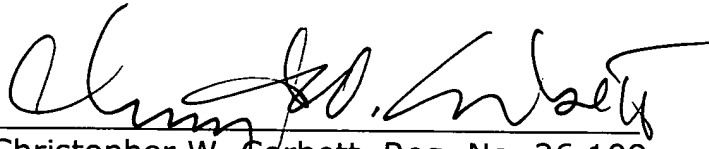
☐ [] Cumulative patents or publications identified in Section 5.

Section 4. Identification of Person(s) Making this INFORMATION DISCLOSURE STATEMENT

The person making this statement is the agent who signs below on the basis of the information:

- [X] supplied by the inventor(s)
- [] supplied by an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c)).
- [X] in the attorney's file

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Christopher W. Corbett", written over a horizontal line.

Christopher W. Corbett, Reg. No. 36.109
DUNLAP, CODDING & ROGERS, P.C.
P.O. Box 16370
Oklahoma City, Oklahoma 73113
(405) 607-8600 - telephone
(405) 607-8686 - telefax

Agent for Applicants

Express Mail: EL984584060US
Date Deposited: January 30, 2004

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known	
Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	Lijun Xia et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	5920.002

(use as many sheets as necessary)

U. S. PATENT DOCUMENTS

EXAM INIT.	Cite No. 1	<u>U.S. PATENT NUMBER</u> Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM- DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,004,681		Boyse et al.	04/02/1991	
		5,192,553		Boyse et al.	03/09/1993	
		5,858,752		Seed et al.	01/12/1999	
		6,399,337		Taylor et al.	06/04/2002	
		6,440,110		Kuypers et al.	08/27/2002	
		6,461,835		Cummings et al.	10/08/2002	
		6,485,722		McIvor et al.	11/26/2002	

FOREIGN PATENT DOCUMENTS

EXAM INIT.	Cite No. 1	<u>Foreign Patent Document</u>			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office 3	Number 4	Kind Code ⁵ (if known)				

U.S. and Foreign: ¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). ⁴Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

EXAM INIT.		<p style="text-align: center;">NON PATENT DOCUMENTS</p> <p>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published</p>
		<p>FRENETTE ET AL., "Endothelial selectins and vascular cell adhesion molecule-1 promote hematopoietic progenitor homing to bone marrow", <i>Proc. Natl. Acad. Sci., USA</i>, November 1998, Vol 95, pp. 14423-14428, Medical Sciences.</p>
		<p>HARRIS ET AL., "Collection, separation and cryopreservation of umbilical cord blood for use in transplantation", <i>Bone Marrow Transplantation</i>, 1994, Vol 13, pp. 135-143.</p>
		<p>HIDALGO ET AL., "Functional selectin ligands mediating human CD34⁺ cell interactions with bone marrow endothelium are enhanced postnatally", <i>The Journal of Clinical Investigation</i>, August 2002, Vol. 110, No. 4, pp. 559-569.</p>
		<p>KOBZDEJ ET AL., "Discordant expression of selectin ligands and sialyl Lewis x-related epitopes on murine myeloid cells", <i>Blood</i>, December 15, 2002, Vol. 100, No. 13, pp. 4485-4494.</p>
		<p>MAZO ET AL., "Hematopoietic Progenitor Cell Rolling in Bone Marrow Microvessels: Parallel Contributions by Endothelial Selectins and Vascular Cell Adhesion Molecule 1", <i>J. Exp. Med.</i>, August 3, 1998, Vol. 188, No. 3, pp. 465-474.</p>
		<p>McEVER ET AL., "Perspectives Series: Cell Adhesion in Vascular Biology", <i>J. Clin. Invest.</i>, August 1997, Vol. 100, No. 3, pp. 485-492.</p>
		<p>NISHIHIRA ET AL., "The Japanese cord blood bank network experience with cord blood transplantation from unrelated donors for haematological malignancies: an evaluation of graft-versus-host disease prophylaxis", <i>British Journal of Haematology</i>, 2003, Vol. 120, pp. 516-522.</p>
		<p>RAMACHANDRAN ET AL., "Dimerization of a selectin and its ligand stabilizes cell rolling and enhances tether strength in shear flow", <i>Proc. Natl. Acad. Sci.</i>, August 28, 2001, Vol. 98, No. 18, pp. 10166-10171.</p>
		<p>ROCHA ET AL., "Comparison of outcomes of unrelated bone marrow and umbilical cord blood transplants in children with acute leukemia", <i>Blood</i>, May 15, 2001, Vol. 97, No. 10, pp. 2962-2971.</p>
		<p>STEVENS ET AL., "Placental/umbilical cord blood for unrelated-donor bone marrow reconstitution: relevance of nucleated red blood cells", <i>Blood</i>, October 1, 2002, vol. 100, No. 7, pp. 2662-2664.</p>

EXAM INIT.		<p style="text-align: center;">NON PATENT DOCUMENTS</p> <p>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published</p>
		<p>TERSTAPPEN ET AL., "Sequential Generations of Hematopoietic Colonies Derived From Single Nonlineage-Committed CD34⁺ CD38⁻ Progenitor Cells", <i>Blood</i>, March 15, 1991, Vol. 77, No. 6, pp. 1218-1227.</p>
		<p>THOMAS, "History, Current Results, and Research in Marrow Transplantation", <i>Perspectives in Biology and Medicine</i>, Winter 1995, Vol. 38, No. 2, pp. 230-237.</p>
		<p>WAGERS ET AL., "Interleukin 12 and Interleukin 4 Control T Cell Adhesion to Endothelial Selectins through Opposite Effects on α1,3-fucosyltransferase VII Gene Expression", <i>J. Exp. Med.</i>, December 21, 1998, Vol. 188, No. 12, pp. 2225-2231.</p>
<p>Non Patent Documents: ¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.</p>		
Examiner Signature:		Date Considered:
<p>EXAMINER: Initial if citation considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant. **Place of Publication refers to name of publication in which the information was published.</p>		